

Circa 1877

About Milwaukee Tool & Equipment Company . . .

***M**ilwaukee Hay Tool Company was founded in 1877 to manufacture hay tools and dairy barn equipment. In 1894 the line was expanded to include cornhuskers. To assure a constant supply of malleable and grey iron castings, Milwaukee Malleable & Grey Iron Works was incorporated in June, 1899. Now management had direct control over the manufacturing process from raw materials to a finished product. It guaranteed the highest quality iron castings at a fair price.*

Production facilities were continually modernized and enlarged to produce the expanding line of farm and dairy barn equipment. At the same time Milwaukee Malleable & Grey Iron Works began supplying castings to heavy machinery and farm equipment manufacturers like Caterpillar Tractor, International Harvester, J.I. Case, and John Deere.

In the early 40's, a hardware and workshop vise line was added. The mid 50's brought on a line of trench braces, roof supports, screw jacks, and supporting products, while the farm and dairy barn equipment lines were sold. In November, 1954, the company name was changed to Milwaukee Tool & Equipment Company, reflecting the expanded product lines.

A full line of heavy duty industrial vises and related products were introduced in the early 70's, while the late 80's saw an increase of specialty machining, assembling and painting of castings for other manufacturers.

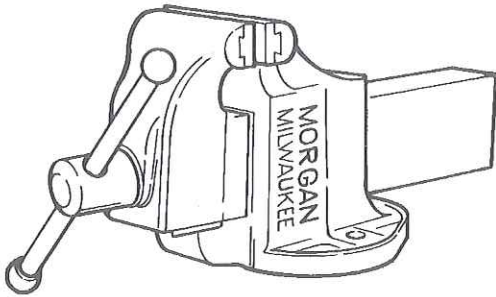
All manufacturing is done in our Milwaukee plant, which is well equipped to perform all operations quickly, accurately and economically. Strict supervision and rigid inspection assures that our high quality standards are met. Every product is built to provide the customer with the proper tool to do the complete job at a fair price.

Management of Milwaukee Tool & Equipment Company has been in the same family since 1877. The present officers are grandsons of one of the founders. The fourth generation is currently preparing to lead Milwaukee Tool & Equipment Company into the 21st century.



1995

STATIONARY BASE MACHINIST VISES

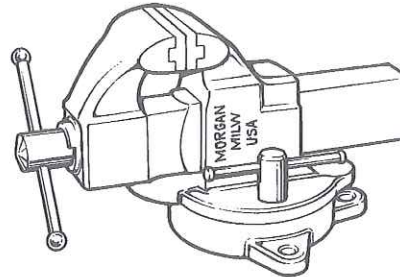


A heavy duty vise built to withstand the toughest of maintenance and production requirements. Constructed of high tensile grey iron and machined to close tolerances to assure true clamping at any opening. Easily replaceable hardened steel face jaws, steel screw and malleable iron nut are provided for a lifetime of service.

Meets all Federal Specifications: GGG-V-410 Type VI,

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1103000	30	3	76	4	101	2½	63	27	12
1103500	35	3½	89	5	127	2¾	69	35	15
1104000	40	4	101	6	152	3¼	82	50	22
1104500	45	4½	114	7	177	3½	89	60	27
1105000	50	5	127	8	203	3½	89	79	35
1106000	60	6	152	10	254	4	101	125	56
1108000	80	8	203	12	304	5½	139	187	84

SWIVEL BASE MACHINIST VISES

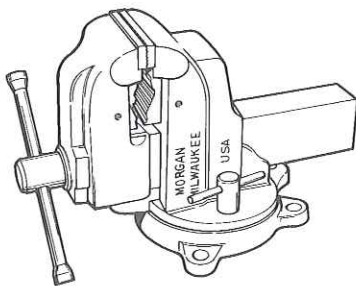


All the strength and rigidity of our stationary base vises is maintained in the swivel base series. Precision engineered to handle any job under the severest of conditions. Close tolerance machining assures true clamping at any opening. Low profile 360 degree swivel base locks at any angle. Face jaws are hardened steel and easily replaceable.

Meets all Federal Specifications: GGG-V-410 Type VI,

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1113000	130	3	76	4	101	2½	63	34	15
1113500	135	3½	89	5	127	2¾	69	42	18
1114000	140	4	101	6	152	3¼	82	58	26
1114500	145	4½	114	7	177	3½	89	68	31
1115000	150	5	127	8	203	3½	89	91	41
1116000	160	6	152	10	254	4	101	145	65
1118000	180	8	203	12	304	5½	139	210	95

COMBINATION PIPE VISES & SWIVEL BASE



The Milwaukee combination pipe vise is constructed with the best features of our standard machinist vise with the convenience of a pipe vise. All these vises are manufactured with easily replaceable heat treated face jaws and pipe jaws. All jaws can be replaced in the field.

Meets all Federal Specifications: GGG-V-410 Type VI.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		PIPE CAPACITY		WEIGHT	
		in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
1187000	87	3½	89	5½	139	4	101	2½	63	46	20
1188000	88	4½	114	6½	165	5	127	3½	89	67	30
1188500	288	5	127	7	177	6	152	4½	114	101	45
1189500	289	6	152	10	254	8	203	6	152	170	77

SWIVEL JAW and SWIVEL BASE VISES

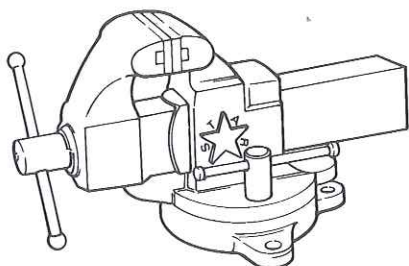


This vise is manufactured with the same strength and durability as the Morgan vise line. A unique feature, removing the pin permits back jaw to swivel allowing irregular or tapered work pieces to be firmly gripped. Jaw swivels 60° from parallel in both directions. With pin in place, swivel back jaw is locked for use as a parallel jaw vise. These vises have replaceable face jaws, and a 360 degree swivel base.

Meets all Federal Specifications: GGG-V-410 Type VI, Class III.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1133500	335	3½	89	5	127	3¼	82	45	20
1134500	345	4½	114	6¼	158	4¼	107	75	34
1136000	360	6	152	9½	241	5½	139	165	74

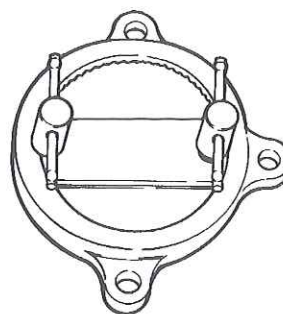
MORGAN STAR VISES Professional Series



Outstanding value in a rugged vise at a moderate price. For general purpose use or maintenance shops not requiring a heavy duty vise. Massive grey iron body provides extra strength and protection for the main screw and nut. Complete with replaceable steel face jaws and a 360 degree positive locking swivel base. All of the strength and dependability of the Morgan heavy duty bench vise in a lighter weight model.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
STATIONARY BASE STYLE									
1124000	4A	4	101	5	127	3	76	38	17
1124500	4½A	4½	114	6	152	3¾	85	48	21
1125000	5A	5	127	7	177	3¾	92	59	26
	SWIVEL BASE STYLE								
1124100	4AS	4	101	5	127	3	76	45	20
1124600	4½AS	4½	114	6	152	3¾	85	58	26
1125100	5AS	5	127	7	177	3¾	92	70	31

SWIVEL BASE KITS



Features a 2-piece grey iron design with interlocking serrated center plate and mating ring base. Each kit contains a pair of side locking studs and nuts, which provides a positive and secure locking system.

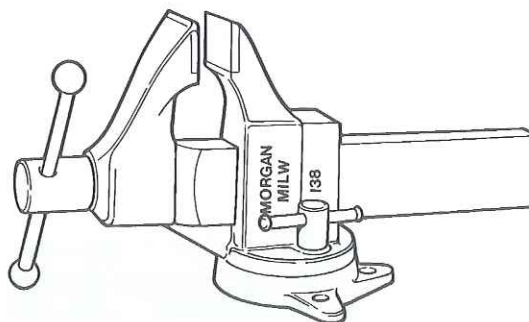
PRODUCT NUMBER	ITEM NUMBER	FITS VISE NUMBER	WEIGHT	
			lb.	kg
1193000	130S	30 & 4A	7	3
1193500	135S	35	7	3
1194000	140S	45 & 4½A	8	3.5
1194500	145S	45 & 5A	8	3.5
1195000	150S	50	12	5
1196000	160S	60	20	9
1198000	180S	80	25	11

SHEET METAL WORKER'S VISE

This Sheet Metal Vise is constructed with the best features of our standard machinists' vise. It has a deep throat, tapered opening, and a 360 degree swivel base which makes it ideal for sheet metal forming. The face jaws are hardened steel and easily replaced.

Meets all Federal Specifications: GGG-V-410 Type III.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		THROAT DEPTH		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1113800	138	4½	114	10	254	5½	139	82	37

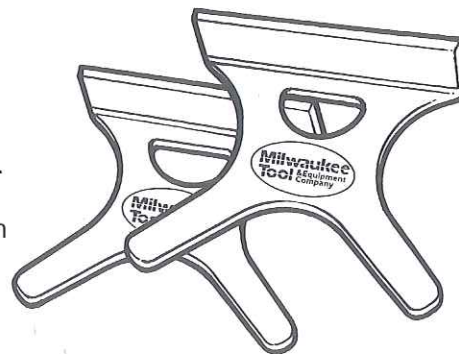


BRASS VISE JAW CAPS

PRODUCT NUMBER	ITEM NO.	JAW WIDTH	
		in.	mm
1172000	2W	2	50
1172500	2½W	2½	63
1173000	3W	3	76
1173500	3½W	3½	89
1174000	4W	4	101
1174500	4½W	4½	114
1175000	5W	5	127
1176000	6W	6	152
1178000	8W	8	203

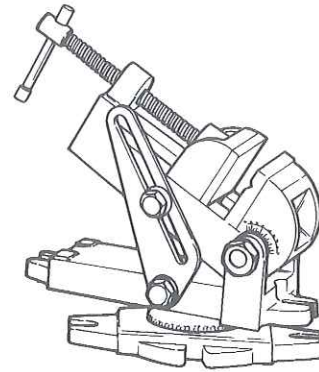
These brass caps are used to protect the finish of soft materials. They also help to extend the life of the vise jaws. The caps have brass ears that fold over the face jaws for quick installation and removal.

Meets all Federal Specifications:
GGG-C-00137B.



ANGLE DRILL PRESS VISE WITH SWIVEL BASE

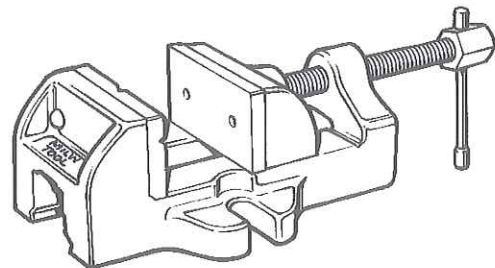
These sturdy angle vises can be adjusted quickly for frequent setups requiring any angle from 0 to 90 degrees without reclamping the work piece. The body is calibrated for quick settings. Precision locking bolts and side plates securely lock the vise at any angle. High strength grey iron bodies are machined and drilled for smooth and accurate movement with no lateral end play.



PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
0110000	2½	63	1½	38	2½	63	9	228	4½	114	12	5

DRILL PRESS VISE

A general purpose vise, recommended for use on drill presses, milling machines, grinders, and any other machine requiring a strong positive grip. Steel face jaws are grooved for holding round stock. Bolt slots on both sides provide a stable base for mounting to any machine table.

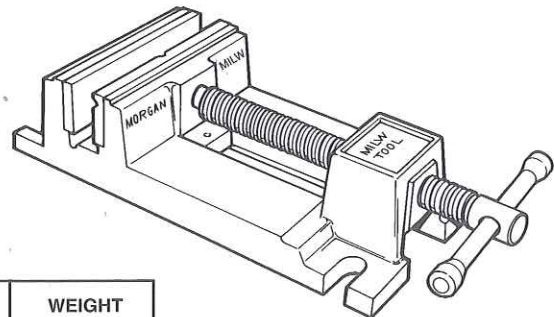


PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
0120320	3	76	1½	38	3	76	8	203	2½	53	8	3.5

DRILL PRESS VISE

The rugged design and large work capacity makes this vise perfect for drilling, tapping and reaming operations. Precision machined sides permit this vise to be mounted on either side to perform additional machining on the workpiece. Both face jaws are replaceable. One is smooth, the other has a horizontal and vertical V-groove for holding round parts.

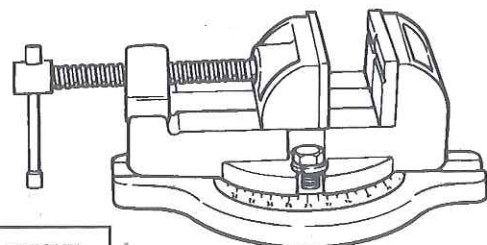
Meets all Federal Specifications: GGG-V-443A.



PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
1156000	6	152	2½	53	6½	165	15	381	3¾	85	27	12

MILLING MACHINE VISES WITH SWIVEL BASE

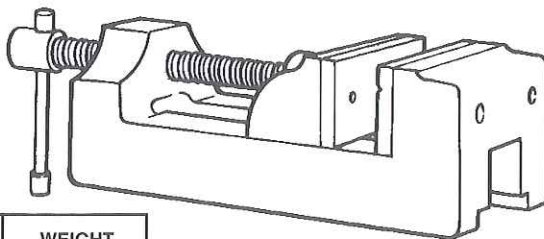
These durable vises are accurately machined from high grade iron castings, with ground steel jaws to withstand hard usage. The jaw plates are hardened steel with one horizontal and one vertical V-groove. The swivel base is graduated to provide 360 degrees of rotation. Two locking bolts provide a positive lock at any angle. The base has a 5/8" keyway and two bolt slots for mounting on a machine table.



PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
0180410	4	101	1¾	44	4	101	11¾	298	5¾	142	23	10
0180610	6	152	2	50	6	152	14½	368	5¾	146	50	22

COMPACT DRILL PRESS VISES

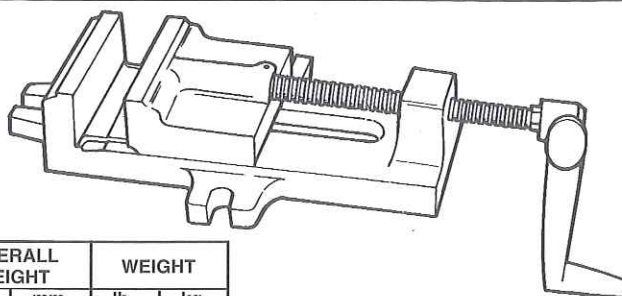
Precision ground sides and front permit additional mounting positions for drilling, tapping and reaming without reclamping the workpiece. These vises can be turned to either side or placed on end for additional versatility. Jaws are replaceable ground steel. Movable jaws are flat. Fixed jaws have a vertical and horizontal V-groove.



PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
0120060	1½	38	1	25	1½	41	5⅝	130	1-13/16	46	2	1
0120140	4	101	1¾	44	4	101	10¾	273	3⅝	79	19	8
0120300	2½	63	1½	38	2½	63	7¼	184	2⅝	66	6	2.75

DRILL PRESS VISES

Durable general purpose vises are a must for every shop. Three bolt slots make these vises extremely versatile on any drill press, grinder, or milling machine. The moveable jaw is grooved both vertically and horizontally for added convenience in holding round parts.

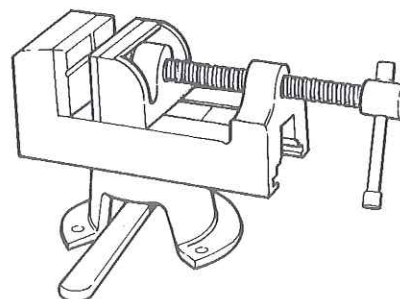


PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
1101000	3½	89	1¾	44	4⅝	104	13	330	2¾	69	12	5
1102000	5	127	1¾	44	5½	139	17	431	2⅞	73	24	11

DRILL PRESS VISE WITH SWIVEL BASE

The vise and locking base can be rotated and locked in any position. The vise can be removed from the swivel base and be used as a conventional drill press vise. All sides are machined flat and perpendicular to adjacent sides to allow the vise to be used on either side or on end. High strength grey iron bodies are machined and drilled for smooth and accurate movement with no lateral end play.

Meets all Federal Specifications: GGG-V-443A, Type 1, Class II, Style B.

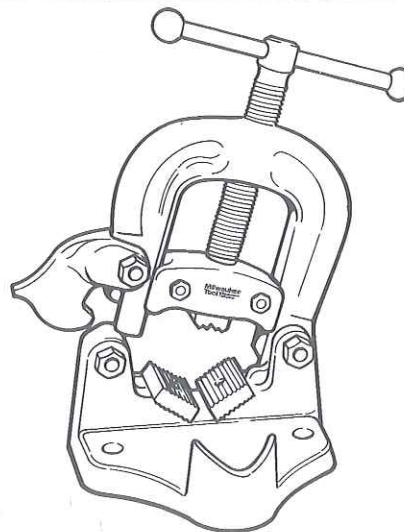


PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		OVERALL LENGTH		OVERALL HEIGHT		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
1152500	2½	63	1½	38	2½	63	8	203	4½	114	9	4

MILWAUKEE HINGED PIPE VISES

These vises firmly hold pipe and round bar stock for cutting, drilling, and threading operations. All vises have a minimum capacity of ⅝". Vises are reversible for left or right opening. All jaws are made of hardened steel and can easily be replaced in the field. The yoke and base are constructed of high grade malleable iron.

Meets all Federal Specifications: GGG-V-415a Type 1, Class II.

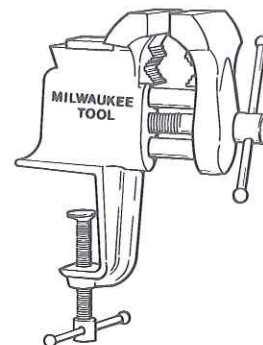


PRODUCT NUMBER	ITEM NO.	PIPE CAPACITY		WEIGHT	
		in.	mm	lb.	kg
1302000	2M	2	50	8	3.5
1304000	4M	2½	63	11	5
1306000	6M	3½	89	18	8
1308000	8M	4½	114	27	12

Larger sizes available on request.

MILWAUKEE HANDYMAN CLAMP-ON VISE

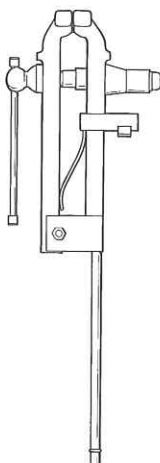
The Milwaukee clamp-on vise is made from high tensile grey iron. Accurately machined screw and guide rods assure smooth movement. The design is attractive and finished in red baked enamel with bright plated screw and guide rods.



PRODUCT NUMBER	ITEM NO.	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
0250000	500	3	76	1½	38	2½	63	5	2

BLACKSMITH'S STEEL LEG VISE

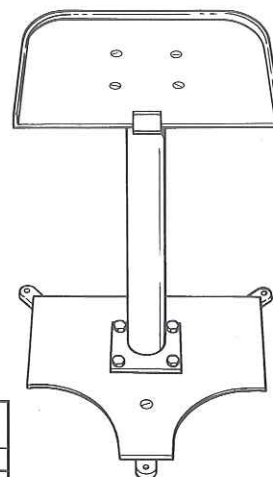
These all steel vises are perfect for the foundry, blacksmith and metal-working industries. Construction is a one-piece drop-forged jaw and leg unit for greater rigidity. Its serrated, hardened jaws, coupled with its Acme threaded screw and nut give an extremely powerful grip. These vises may be mounted to a workbench, or to the optional Stand/Work Table (0602710) which is sold separately.



PRODUCT NUMBER	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT	
	in.	mm	in.	mm	in.	mm	lb.	kg
0602604	4½	114	4½	114	39	990	70	31
0602606	6	152	6	152	39	990	84	38

BLACKSMITH'S LEG VISE STAND

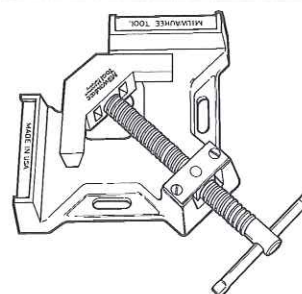
All steel stand is designed for Blacksmith's Steel Leg Vise, providing clearance and accessibility on all sides. Stand has three ears for bolting to the floor.



PRODUCT NUMBER	STAND HEIGHT		WEIGHT	
	in.	mm	lb.	kg
0602710	28	711	86	39

WELDER'S VISE

A precise and versatile clamping tool used to hold, fix and align parts of different thicknesses. Screw and handle are copper plated. Stationary base and movable jaw are zinc plated. Both prevent welding splatter from sticking.

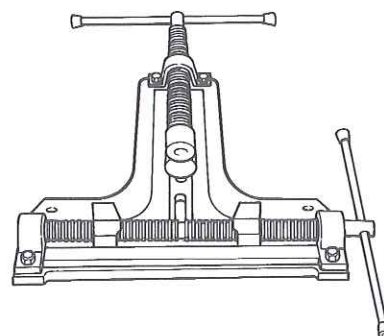


PRODUCT NUMBER	JAW DEPTH		MAXIMUM OPENING		WEIGHT	
	in.	mm	in.	mm	lb.	kg
1235000	1½	38	3½	89	11	5

WIRE ROPE VISE RIGGER'S FORMING VISE

Used for forming cable or wire rope around thimbles, fixtures or making U-bolt clamps or clip installations. Rigid, durable construction of steel jaws, steel screws and a malleable iron base.

Meets all federal specifications: GGG-V-412A, TYPE III.



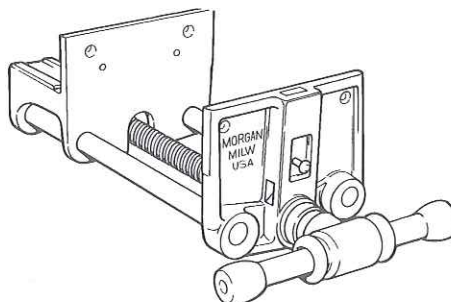
PRODUCT NUMBER	FRONT JAW SPREAD		BASE DIMENSIONS		WIRE CAPACITY		WEIGHT	
	in.	mm	in.	mm	in.	mm	lb.	kg
1210000	11	279	19 X 20	482 X 508	¾ to 1½	9.5 to 38	83	38

CONTINUOUS & RAPID ACTION WOODWORKING VISES

Designed and built to withstand the most severe conditions. The buttress threaded screw and bronze nut are carefully machined so these vises have a continuous screw with rapid action movement. These vises fit flush on a standard 2¼" bench top. All woodworking vise jaws are drilled and tapped for easy installation of wood faces if desired. Each vise has a built-in bench dog for added versatility. Available in your choice of wood or aluminum handle.

Meets all Federal Specifications: GGG-V-445 Type I, Class II.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT		HANDLE
		in.	mm	in.	mm	in.	mm	lb.	kg	
1131800	18A	7	177	4	101	9	228	28	12	WOOD
1131900	18AA	7	177	4	101	9	228	28	12	ALUM
1132800	28A	10	254	4	101	12	304	32	14	WOOD
1132900	28AA	10	254	4	101	12	304	32	14	ALUM

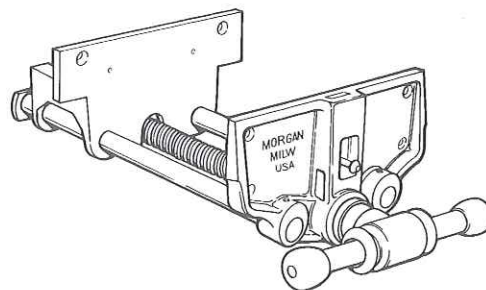


RAPID ACTION WOODWORKING VISES

Designed and built to withstand the most severe conditions. The buttress threaded screw and bronze nut are carefully machined so these vises have a continuous screw with rapid action movement. These vises fit flush on a standard 2¼" bench top. All woodworking vise jaws are drilled and tapped for easy installation of wood faces if desired. Each vise has a built-in bench dog for added versatility. Available in your choice of wood or aluminum handle.

Meets all Federal Specifications: GGG-V-445 Type I, Class II.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT		HANDLE
		in.	mm	in.	mm	in.	mm	lb.	kg	
1141000	100A	7	177	4	101	9	228	28	12	WOOD
1141100	100AA	7	177	4	101	9	228	28	12	ALUM
1142000	200A	10	254	4	101	12	304	30	13	WOOD
1142100	200AA	10	254	4	101	12	304	30	13	ALUM

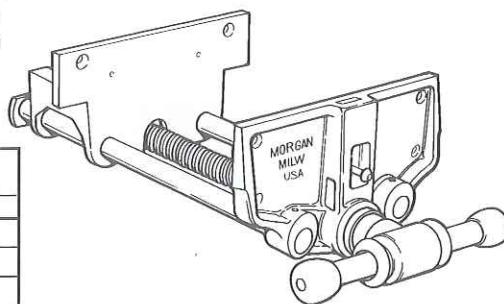


CONTINUOUS SCREW WOODWORKING VISES

Designed and built to withstand the most severe conditions. The steel screw and nut are carefully machined so they will provide a lifetime of trouble-free service. These vises fit flush on a standard 2¼" bench top. All woodworking vise jaws are drilled and tapped for easy installation of wood faces if desired. Each vise has a built-in bench dog for added versatility. Available in your choice of wood or aluminum handle.

Meets all Federal Specifications: GGG-V-445 Type I, Class II.

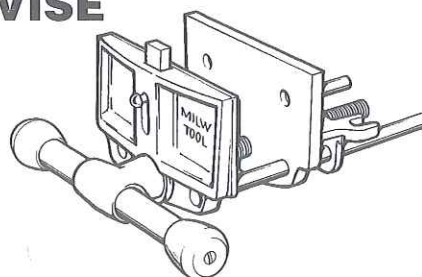
PRODUCT NUMBER	ITEM NO.	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT		HANDLE
		in.	mm	in.	mm	in.	mm	lb.	kg	
1131000	10A	7	177	4	101	9	228	29	13	WOOD
1131100	10AA	7	177	4	101	9	228	29	13	ALUM
1132000	20A	10	254	4	101	12	304	34	15	WOOD
1132100	20AA	10	254	4	101	12	304	34	15	ALUM



MILWAUKEE UTILITY WOODWORKING VISE

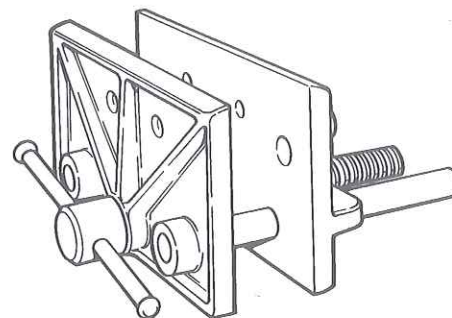
Rugged woodworking vise designed for the home craftsman, woodworking shop, or school shop. Constructed of grey iron jaws with cold rolled steel guide rods. Jaws are drilled for easy installation of wood faces. The screw and guide rods are zinc plated.

PRODUCT NUMBER	ITEM NO.	JAW WIDTH		JAW DEPTH		MAXIMUM OPENING		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1290700	907N	6½	165	3¼	82	7	177	10	4



MILWAUKEE HANDYMAN WOODWORKER VISE

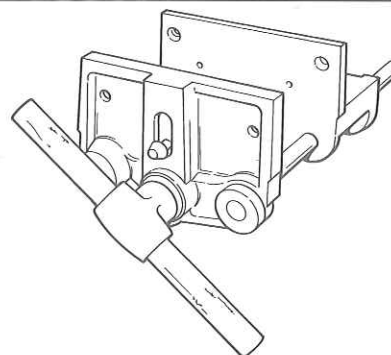
This vise is a light duty woodworker vise for small hobby shops or junior workbenches. Made of high tensile grey iron with cold rolled steel guide rods. Front and back jaws are drilled for easy installation or wood faced jaws. Red enamel finish with zinc-plated main screw and guide rods.



PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		WEIGHT	
		in.	mm	in.	mm	lb.	kg
1290600	906	6½	165	7	177	5½	2.25

MILWAUKEE WORKSHOP WOODWORKING VISE

This is a medium duty woodworker vise ideal for small shop or home use. Made of high tensile grey iron, fully machined. Front and back jaws are drilled to allow for easy wood face and bench installation. This vise fits a standard 2¼" thick bench top.



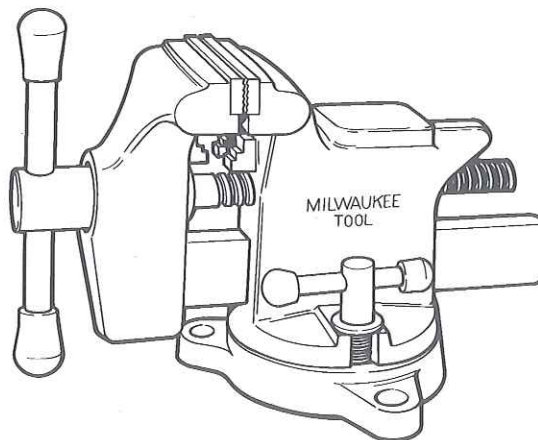
PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		WEIGHT	
		in.	mm	in.	mm	lb.	kg
1143000	300A	7	177	7	177	17	7

MILWAUKEE HANDYMAN VISES

These Handyman vises are full-size bench vises with ⅝" steel screw, heat treated replaceable face jaws and a 180 degree swivel base. All vises have cast-in pipe jaws and a solid steel slide bar. Built to withstand constant handyman use.

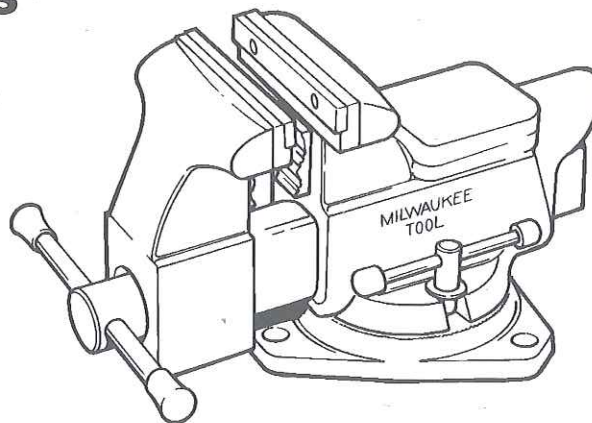
PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		WEIGHT	
		in.	mm	in.	mm	lb.	kg
1263500	635*	3½	89	3¾	95	10	4.5
1273500	735	3½	89	3½	89	10	4.5
1264400	644*	4	101	4	101	16	7.257
1274400	744	4	101	4	101	16	7.25
1275500	755	5	127	5	127	21	9.5

*These vises have smooth jaws.



MILWAUKEE WORKSHOP VISES

The ultimate workshop vise. Made of 30,000 PSI grey iron castings machined to exact tolerances. The handle and screw are cold rolled steel accurately machined to provide close fit with a cast iron nut that ensures long life. The face jaws and pipe jaws are high carbon steel, heat treated for durability. All vises have a 180 degree swivel base with a dead locking device.

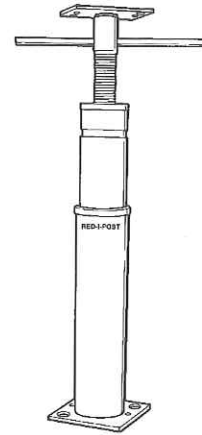


PRODUCT NUMBER	ITEM NO.	JAW WIDTH		MAXIMUM OPENING		PIPE CAPACITY		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg
1276300	763	3½	89	3¾	95	1¼	31	17	7
1276400	764	4	101	4	101	1½	38	20	9
1276500	765	5	127	5	127	2	50	35	15

RED-I-POST SUPPORT COLUMNS

The all purpose, heavy-duty, adjustable support post. Ideal for new construction or remodeling. Can be installed with the adjusting screw on top or bottom depending on local building codes. Quantity price discounts are available at 20 and 100 units.

PRODUCT NUMBER	ADJUSTMENT Min. - Max.		LOAD Min. - Max. Heights		WEIGHT	
	in.	mm	lb.	kg	lb.	kg
1480700 Standard	68" - 100" 5'8" - 8'4"	1730 - 2540	17,700 - 14,225	8050 - 6470	32	14
1480800 Medium	40" - 64" 3'4" - 5'4"	1016 - 1624	18,300 - 17,300	8310 - 3570	23	10
1480850 Shorty	25" - 41" 2'1" - 3'5"	635 - 1041	18,375 - 17,415	8350 - 7900	17	8
1480900 Trailer	16" x 24" 1'4" - 2'0"	406 - 609	18,415 - 18,075	8360 - 8200	11	5



TRENCH BRACES

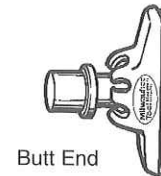
Butt Ends

Milwaukee Tool Trench Braces are economical protection against cave-ins and costly re-digging in construction and utility maintenance. Ball and socket joints tilt for added safety on angular shoring. Both ends have spike and nail holes which will dig in and grip tight. Screw and butt ends sold separately. Two screw diameters available to fit 1½" and 2" pipe. Pipe available upon request.

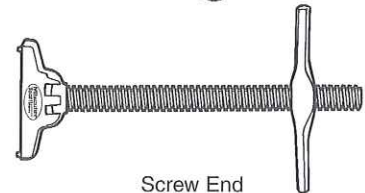
PRODUCT NUMBER	ITEM NO.	FITS PIPE SIZE		CAPACITY*		WEIGHT	
		in.	mm	tons	kg	lb.	kg
1440100	T-1	1½	38	8	7260	3	1
1440200	T-2	2	50	13	11800	8	3

Screw Ends

PRODUCT NUMBER	ITEM NO.	SCREW SIZE		PIPE SIZE		SCREW TRAVEL		CAPACITY*		WEIGHT	
		in.	mm	in.	mm	in.	mm	tons	kg	lb.	kg
1441612	T-10	1½ x 12	35 x 304	1½	38	7	176	8	7260	11	5
1441614	T-11	1½ x 14	35 x 355	1½	38	8½	214	8	7260	12	5.5
1441616	T-12	1½ x 16	35 x 406	1½	38	10½	266	8	7260	13	6
1441618	T-13	1½ x 18	35 x 457	1½	38	12	304	8	7260	14	6.5
1442118	T-14	1½ x 18	47 x 457	2	50	14	352	13	11800	27	12



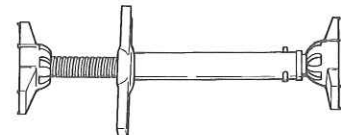
Butt End



Screw End

Pipe Sizes

ITEM NUMBER	PIPE SIZE		WEIGHT		ITEM NUMBER	PIPE SIZE		WEIGHT	
	in.	mm	lb.	kg		in.	mm	lb.	kg
T-21	1½ x 10½	38 x 266	2	1	T-28	1½ x 40½	38 x 799	8½	3
T-22	1½ x 13½	38 x 342	2½	1	T-31	2 x 26	50 x 660	7½	3.5
T-23	1½ x 16½	38 x 418	3½	2	T-32	2 x 32	50 x 812	9½	4
T-24	1½ x 19½	38 x 494	4	2	T-33	2 x 38	50 x 965	11	5
T-25	1½ x 22½	38 x 570	4½	2	T-34	2 x 44	50 x 1117	13	6
T-26	1½ x 28½	38 x 650	6	2	T-35	2 x 50	50 x 1270	15	6.5
T-27	1½ x 34½	38 x 722	7½	3.5					



Screw End + Pipe + Butt End

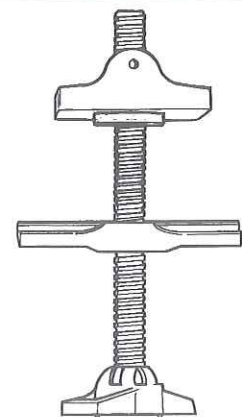
Add 8" to the 1½" pipe size to determine trench width, excluding whales and braces.
Add 12" to the 2" pipe size to determine trench width, excluding whales and braces.

*To achieve these capacities, 1½" and 2" schedule 40 standard black pipe is used.

TIMBER BRACES

Turn ordinary timbers into low cost shoring jacks for use in wide trenches, foundation and subway work. Designed for use with 4 x 4, 6 x 6 or 8 x 8 inch square timbers.

ITEM NUMBER	SCREW SIZE		TIMBER SIZE		SAFE TRAVEL		CAPACITY		WEIGHT	
	in.	mm	in.	mm	in.	mm	tons	kg	lb.	kg
T-10-16	1½ x 12	35 x 304	4 x 4	101 x 101	8	203	8	7260	16	7.25
T-10-17	1½ x 12	35 x 304	6 x 6	152 x 152	8	203	8	7260	19	8.7
T-11-16	1½ x 14	35 x 355	4 x 4	101 x 101	9	228	8	7260	17	7.7
T-11-17	1½ x 14	35 x 355	6 x 6	152 x 152	9	228	8	7260	20	9
T-12-16	1½ x 16	35 x 406	4 x 4	101 x 101	10	254	8	7260	18	8
T-12-17	1½ x 16	35 x 406	6 x 6	152 x 152	10	254	8	7260	21	9.5
T-13-17	1½ x 18	35 x 457	6 x 6	152 x 152	12	304	8	7260	19	8.7
T-14-19	1½ x 18	47 x 457	6 x 6	152 x 152	12	304	13	11800	32	14.5
T-14-20	1½ x 18	47 x 457	8 x 8	203 x 203	12	304	13	11800	33	15

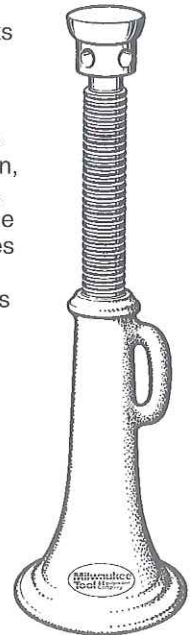


PERMALIFT SCREW JACKS

PRODUCT NUMBER	ITEM NO.	SCREW SIZE		OPEN HEIGHT		CLOSED HEIGHT		CAPACITY		WEIGHT	
		in.	mm	in.	mm	in.	mm	tons	kg	lb.	kg
1410060	LJ-0	1 x 6	25 x 152	13	330	8½	215	6	5450	6	2
1412040	LJ-1	1¼ x 4	31 x 101	9	228	6¾	171	10	9080	8	3
1412060	LJ-2	1¼ x 6	31 x 152	13	330	8¾	222	10	9080	10	4
1412080	LJ-3	1¼ x 8	31 x 203	17	431	10¾	273	10	9080	11	5
1412100	LJ-4	1¼ x 10	31 x 254	21	533	12¾	322	10	9080	13	6
1415060	LJ-5	1½ x 6	38 x 152	12¾	323	9	228	12	10896	11	5
1415080	LJ-6	1½ x 8	38 x 203	17	431	11¼	285	12	10896	14	6
1415100	LJ-7	1½ x 10	38 x 254	21	533	13½	342	12	10896	17	7
1415120	LJ-8	1½ x 12	38 x 304	25	635	15¼	387	12	10896	19	8
1420060	LJ-12	2 x 6	50 x 152	12½	317	9½	241	20	18160	18	8
1420080	LJ-13	2 x 8	50 x 230	16¾	425	11¾	298	20	18160	22	10
1420100	LJ-14	2 x 10	50 x 254	21	533	14	355	20	18160	26	11
1420120	LJ-15	2 x 12	50 x 304	24½	621	15½	393	20	18160	30	13
1420140	LJ-16	2 x 14	50 x 355	28½	723	17½	443	20	18160	35	15
1425060	LJ-17	2½ x 6	63 x 152	13	330	10½	266	24	21792	27	12
1425080	LJ-18	2½ x 8	63 x 230	16	406	11¾	298	24	21792	31	14
1425100	LJ-19	2½ x 10	63 x 254	20	508	13¾	349	24	21792	35	15
1425120	LJ-20	2½ x 12	63 x 304	24	609	15¾	400	24	21792	40	18
1425140	LJ-21	2½ x 14	63 x 355	27¾	704	17½	443	24	21792	43	19
1425180	LJ-23	2½ x 18	63 x 457	36¾	933	22½	570	24	21792	56	25

Milwaukee Screw Jacks take over where hydraulic jacks end. Their simple and reliable design offers safe support for construction, manufacturing, mining, and oil industries. Acme threaded screw assures precise up and down adjustments. Two styles available, swivel cap and flat cap.

Meets all Federal Specifications:
GGG-J-51E
Type I, Class III



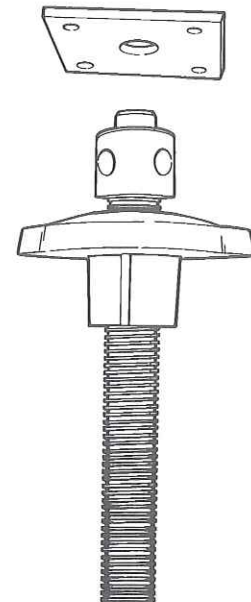
Handle Not Included.

STEEL HOUSE RAISING SCREWS

These jacks provide maximum safety in shoring, tunnel roof support, foundation and earth moving work. Features a steel screw with a cast iron nut, both machined to exacting tolerances for precise movement and added strength. A steel plate is furnished with each jack.

PRODUCT NUMBER	ITEM NO.	SCREW SIZE		OVERALL LENGTH		CAPACITY		WEIGHT	
		in.	mm	in.	mm	tons	kg	lb.	kg
1432080	SHR-1	2 x 8	50 x 203	12	304	25	22700	21	9
1432100	SHR-2	2 x 10	50 x 254	14	355	25	22700	24	11
1432120	SHR-3	2 x 12	50 x 304	16	406	25	22700	27	12
1432140	SHR-4	2 x 14	50 x 355	18	457	25	22700	28	13
1435080	SHR-5	2½ x 8	63 x 203	12	304	35	31780	29	13
1435100	SHR-6	2½ x 10	63 x 254	14	355	35	31780	34	15
1435120	SHR-7	2½ x 12	63 x 304	16	406	35	31780	38	17
1435140	SHR-8	2½ x 14	63 x 355	18	457	35	31780	40	18
1435160	SHR-9	2½ x 16	63 x 406	20	508	35	31780	42	19
1435180	SHR-10	2½ x 18	63 x 457	22	558	35	31780	59	26

A 6 x 6 (SHR-15, Part #1436600) steel plate is included with each jack, or may be purchased separately.



PRODUCT NUMBER	ITEM NO.	LEVER SIZE D x L		FITS SCREW SIZE		WEIGHT	
		in.	mm	in.	mm	lb.	kg
1405000	LJ-29	½ x 20	12 x 508	1	25	1	.5
1406200	LJ-30	¾ x 20	15 x 508	1¼	31	2¼	1
1407500	LJ-31	¾ x 24	19 x 609	1½	38	3	2
1408700	LJ-33	¾ x 36	22 x 914	2	50	6¼	3
1410000	LJ-34	1 x 42	25 x 1066	2½	63	9½	4

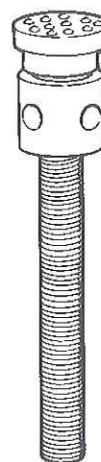
STEEL TURNING BARS FOR SCREW JACKS AND HOUSE RAISING SCREWS

Meets all Federal Specifications:
GGG-J-51E Type I, Class III.

SCREW AND CAPS

PRODUCT NUMBER	SCREW SIZE		MAXIMUM TRAVEL		OVERALL LENGTH		CAPACITY		WEIGHT	
	in.	mm	in.	mm	in.	mm	tons	kg	lb.	kg
1415068	1½ x 6	38 x 152	3½	88	10¾	263	12	10896	5	2
1415088	1½ x 8	38 x 203	5½	139	12¾	314	12	10896	7	3
1415108	1½ x 10	38 x 254	7½	190	14¾	365	12	10896	8	3.5
1415128	1½ x 12	38 x 304	9½	241	16¾	415	12	10896	9	4
1420068	2 x 6	50 x 152	3	76	11	279	20	18160	11	5
1420088	2 x 8	50 x 230	5	127	13	330	20	18160	12	5.5
1420108	2 x 10	50 x 254	7	177	15	381	20	18160	14	6
1420128	2 x 12	50 x 304	9	228	17	431	20	18160	15	6.5
1420148	2 x 14	50 x 355	11	279	19	482	20	18160	16	7
1425068	2½ x 6	63 x 152	2½	63	11¾	298	24	21792	17	7.5
1425088	2½ x 8	63 x 230	4½	114	13¾	349	24	21792	20	9
1425108	2½ x 10	63 x 254	6½	165	15¾	400	24	21792	22	10
1425128	2½ x 12	63 x 304	8½	215	17¾	450	24	21792	23	10.5
1425148	2½ x 14	63 x 355	10½	266	19¾	501	24	21792	25	11
1425168	2½ x 16	63 x 406	12½	316	21¾	552	24	21792	27	12
1425188	2½ x 18	63 x 457	14½	367	23¾	603	24	21792	30	13.5

Milwaukee Screws and Caps are a simple and reliable design offering safe support in any industry. The Acme threaded screw and four-way head accommodate a lever bar at four different positions for infinite height adjustments and exact leveling. The malleable iron cap floats on a chrome ball bearing, substantially reducing friction. Two styles available, swivel cap and flat.



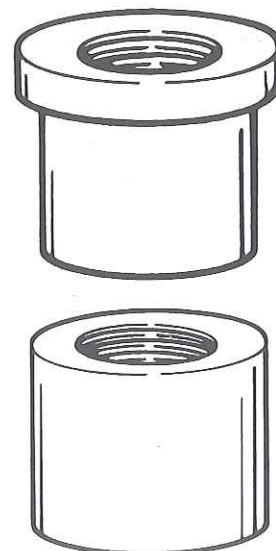
SHOULDER NUTS

Matching either of these nuts with a cap and screw makes a versatile accessory for any application requiring special holding, shoring, or supporting situations. The shoulder nut can be placed into pipe or any other form. The straight nut can be welded to any structure. Both nuts are machined from high quality steel.

PRODUCT NUMBER	SCREW DIAMETER		OVERALL LENGTH		SHANK DIAMETER		SHANK LENGTH		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg
1415336	1½	38	3	76	2-7/16	61	2¼	57	3	1
1420436	2	50	3¼	82	3	76	2¼	57	6	2.75
1425536	2½	63	4	101	3-15/16	100	3	76	11	5

STRAIGHT NUTS

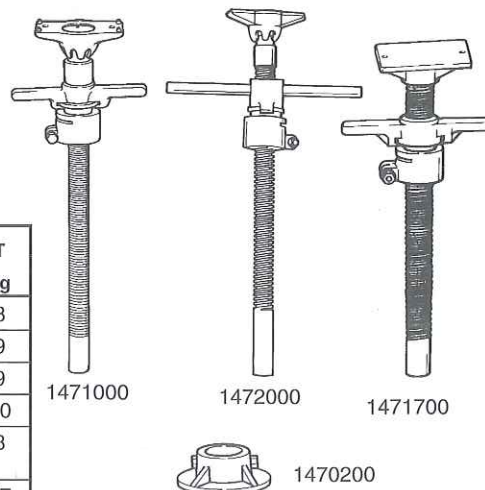
PRODUCT NUMBER	SCREW DIAMETER		OVERALL DIAMETER		OVERALL LENGTH		WEIGHT	
	in.	mm	in.	mm	in.	mm	lb.	kg
1415236	1½	38	2½	63	2½	63	2½	1
1420336	2	50	3½	89	3	76	5½	2.5
1425436	2½	63	4	101	3½	89	7½	3.5



MINE ROOF JACKS

Milwaukee Mine Roof Jacks are designed for mine construction and other areas where ceiling heights vary greatly. The 8-ton model uses 2" schedule 40 pipe while the 16 ton requires 2" schedule 80 pipe. All models use a round base, item number 1470200, which fits 2" pipe. The base is sold separately. Pipe is not included, but available from 24" to 72". To attach your own pipe, drill a 17/32" diameter hole 1" from the end.

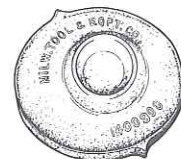
PRODUCT NUMBER	DESCRIPTION	SCREW DIAMETER		PIPE SIZE		CAPACITY		WEIGHT	
		in.	mm	in.	mm	tons	kg	lb.	kg
1471000	STD. CAP, WING NUT	1½	38	2	50	8	7264	18	8
1471700	6 x 6 CAP, WING NUT	1½	38	2	50	8	7264	20	9
1472000	STD. CAP, SLIDE NUT	1½	38	2	50	8	7264	20	9
1472700	6 x 6 CAP, SLIDE NUT	1½	38	2	50	8	7264	22	10
1473000	STD. CAP, SQUARE PIPE, WING NUT	1½	38	2	50	8	7264	18	8
1474000	STD. CAP, WING NUT	1¾	47	2	50	16	14528	38	17



TANK JACKS

Milwaukee Tank Jacks offer an economical means of supporting and leveling vertical and horizontal storage tanks. The Acme threaded screw provides infinite adjustments for exact tank leveling and gravity flow. We also have available iron and steel saddles. Both can be welded to steel tanks

SADDLES



1400900	Iron
1400901	Steel

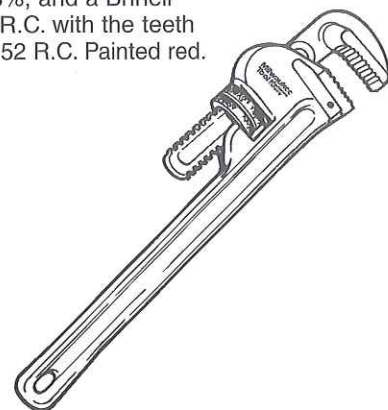


PRODUCT NUMBER	ITEM NO.	OPEN HEIGHT		CLOSED HEIGHT		CAPACITY		WEIGHT	
		in.	mm	in.	mm	tons	kg	lb.	kg
1400200	TJ-2	8	203	6	152	12	10896	7	3
1400300	TJ-3	10	254	8	203	12	10896	9	4
1400400	TJ-4	12	304	10	254	12	10896	11	5
1400500	TJ-5	14	355	12	304	12	10896	12	5
1400600	TJ-6	16	406	14	355	12	10896	14	6
1400700	TJ-7	23	584	14	355	12	10896	18	8

HEAVY DUTY IRON PIPE WRENCHES

Milwaukee Tool Heavy Duty Iron Pipe Wrenches are manufactured in the United States with high quality malleable iron handles. Handles have a tensile strength of 50,000PSI, elongation of 8%, and a Brinell hardness of 170. Moveable hook jaws are chrome-vanadium steel heat treated to 40 R.C. with the teeth area heat treated to 52 R.C. The removable heel jaw is manganese steel heat treated to 52 R.C. Painted red.

Meets all Federal Specifications: GGG-W-651D Type II, Class A.

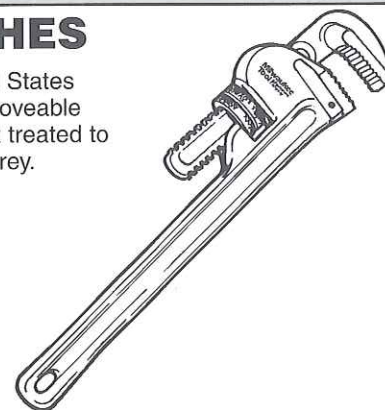


PRODUCT NUMBER	ITEM NUMBER	LENGTH		PIPE SIZE		WEIGHT	
		in.	mm	in.	mm	lb.	kg
0300600	MR 6	6	152	3/4	19	1	.5
0300800	MR 8	8	203	1	25	1	.5
0301000	MR 10	10	254	1 1/2	38	2	1
0301200	MR 12	12	304	2	50	3	1
0301400	MR 14	14	355	2	50	3 1/2	1.5
0301800	MR 18	18	457	2 1/2	63	6	3
0302400	MR 24	24	609	3	76	10	4.5
0303600	MR 36	36	914	5	127	17	8
0304800	MR 48	48	1219	6	152	29	13

HEAVY DUTY ALUMINUM PIPE WRENCHES

Milwaukee Tool Heavy Duty Aluminum Pipe Wrenches are manufactured in the United States with high quality aluminum handles. A lighter handle cuts bulk weight almost in half. Moveable hook jaws are chrome-vanadium steel heat treated to 40 R.C. with the teeth area heat treated to 52 R.C. The removable heel jaw is manganese steel heat treated to 52 R.C. Painted grey.

Meets all Federal Specifications: GGG-W-651D Type II, Class C.

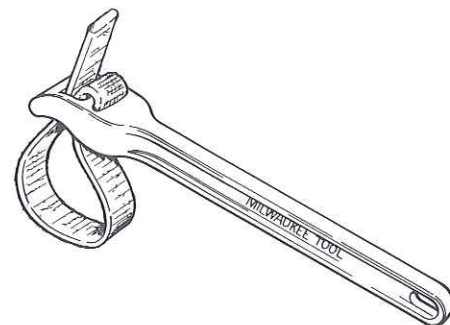


PRODUCT NUMBER	ITEM NUMBER	LENGTH		PIPE SIZE		WEIGHT	
		in.	mm	in.	mm	lb.	kg
0321400	AR 14	14	355	2	50	2	1
0321800	AR 18	18	457	2 1/2	63	3 1/2	1.5
0322400	AR 24	24	609	3	76	5 1/2	2.5
0323600	AR 36	36	914	5	127	10	4.5
0324800	AR 48	48	1219	6	152	17	8

STRAP WRENCHES

Milwaukee Strap Wrenches are available in two handle lengths, with three strap lengths. All three wrenches meet Federal Specs. All have replaceable polyurethane-coated straps which provide a "no-slip grip" and prevent marring. Wrenches are designed for use on stainless steel and PVC piping, and soft pipe materials.

Meets all Federal Specifications: GGG-V-651d Type 5.



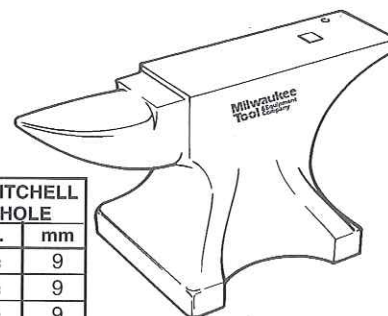
PRODUCT NUMBER	HANDLE LENGTH		STRAP SIZE W x L		PIPE SIZE		WEIGHT	
	in.	mm	in.	mm	in.	mm	lb.	kg
1301200	12	304	1 1/2 x 18	28 x 457	2	50	2	1
1301800	18	457	1 1/2 x 30	38 x 762	5	127	4 3/4	2
1301900	18	457	1 1/2 x 36	38 x 914	6	152	5	2.25

CAST STEEL ANVILS

All Milwaukee Tool anvils are solid cast steel, machined, then heat treated and tempered. This reduces strain as the softer inner body absorbs impact blows through the hardened surface.

*The 8 lb. anvil is cast iron and does not comply with federal specs.

Meets all Federal Specifications: GGG-A-576B Type I.

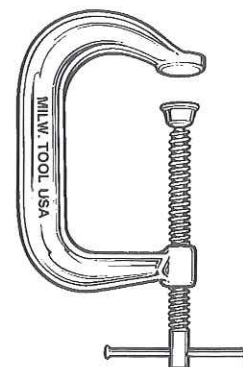


PRODUCT NUMBER	ITEM NO.	ANVIL WEIGHT		OVERALL L x H		FACE L x W		HARDIE HOLE		PRITCHELL HOLE	
		lb.	kg	in.	mm	in.	mm	in.	mm	in.	mm
0600008	8A*	8	3.5	8¼ x 3¾	209 x 98	5 x 2	127 x 50	—	—	¾	9
0600030	30AS	30	13	12¼ x 6¾	310 x 161	7½ x 2½	190 x 66	¾	15	¾	9
0600056	56AS	56	25	15½ x 7	384 x 177	9½ x 3	241 x 76	¾	19	¾	9
0600084	84AS	84	38	19½ x 8	485 x 203	11¼ x 3½	298 x 88	¾	19	¾	9
0600100	100AS	100	45	20½ x 9	520 x 228	12½ x 3½	316 x 88	¾	19	¾	9
0600140	140AS	140	63	23½ x 9¾	596 x 238	14 x 4¾	355 x 111	1¼	31	½	12
0600200	200AS	200	90	27 x 11½	685 x 292	16½ x 4¼	428 x 107	1¼	31	½	12
0600280	280AS	280	127	30½ x 13½	774 x 342	18¾ x 4¾	476 x 120	1¼	31	¾	19
0600336	336AS	336	152	34½ x 14	875 x 355	21 x 5	533 x 127	1¼	31	¾	19
0600392	392AS	392	177	36 x 14½	914 x 367	22 x 5¼	558 x 133	1¼	31	¾	19
0600504	504AS	504	228	36½ x 16	926 x 406	22¼ x 5¾	564 x 146	1¼	31	¾	19

WELDER'S C-CLAMPS

All C-Clamps are heavy duty, drop forged steel construction with a copper plated screw and handle. These C-Clamps are ideal for welding applications.

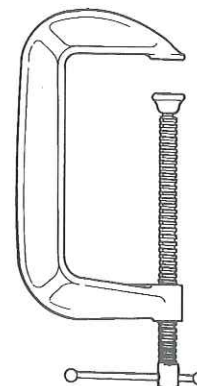
All sizes meet Federal Specifications: GGG-406 Type 1-A, Style I and II.



PRODUCT NUMBER	ITEM NO.	SCREW DIAMETER		MAXIMUM OPENING		THROAT DEPTH		MIN. TEST LOAD		WEIGHT	
		in.	mm	in.	mm	in.	mm	lb.	kg	lb.	kg
0740200	MBC 402	½	12	2	50	2	50	3300	1498	2	1
0740300	MBC 403	¾	15	3	76	2¾	60	3500	1589	3	1.3
0740400	MBC 404	¾	19	4	101	2¾	73	4100	1861	3	1.3
0740600	MBC 406	¾	19	6	152	3¾	92	5400	2451	4	2
0740800	MBC 408	¾	19	8	203	4½	114	5900	2678	6	2.7
0741000	MBC 410	¾	19	10	254	5¾	136	6200	2814	10	4.5
0741200	MBC 412	¾	22	12	304	5¾	146	9300	4222	14	6

CARRIAGE C-CLAMPS

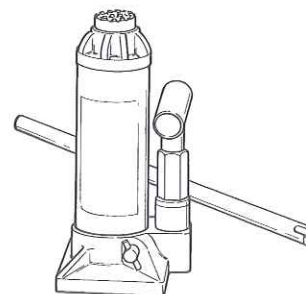
These general purpose Carriage C-Clamps are designed for light metal fabrication and woodworking where the strength of a drop forged clamp is not essential. C-Clamps are I-beam design for maximum strength. Bright plated malleable iron frames, with steel screws, swivel pads and cross handles.



PRODUCT NUMBER	ITEM NUMBER	MAXIMUM OPENING		THROAT DEPTH		PIECES PER CARTON	WEIGHT PER CARTON	
		in.	mm	in.	mm		lb.	kg
0510100	101	1	25	1	25	10	2	1
0510200	102	2	50	1	25	10	2½	1.1
0510250	102½	2½	63	1½	38	10	6	2.7
0510300	103	3	76	2	50	10	7	3
0510400	104	4	101	3	76	10	12	5
0510500	105	5	127	3¼	82	1	2	1
0510600	106	6	152	3½	89	1	2¼	1
0510800	108	8	203	4	101	1	5	2.2

MILWAUKEE HYDRAULIC JACKS

PRODUCT NUMBER	ITEM NUMBER	OPEN HEIGHT		CLOSED HEIGHT		CAPACITY		WEIGHT	
		in.	mm	in.	mm	tons	kg	lb.	kg
0401500	H1½	14	355	7	177	1.5	1360	9	4
0403000	H3	19	482	9	228	3	2725	15	6
0405000	H5	19	482	9	228	5	4540	17	8
0408000	H8	20	508	9	228	8	7260	19	8.5
0410000	H10	20	508	9	228	10	9080	23	10.5
0412000	H12	20	508	9	228	12	10890	24	11
0420000	H20	21	533	11	279	20	18160	39	18



Milwaukee Tool & Equipment Company

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